

CLAIMS

1. A structure for preventing any deviation of a wedge (10), which is formed into a conical shape by combining n ($n > 1$) split pieces (11) with each other and grasps a PC steel member, the wedge deviation preventing structure characterized by comprising:

connecting means for restricting any deviation of each of the split pieces (11) in a longitudinal direction while allowing each of the split pieces (11) to be moved in a circumferential direction, so as to connect side surfaces of at least the $n-1$ split pieces (11) to each other with an adjacent interval.

2. A wedge deviation preventing structure according to claim 1, characterized in that the connecting means includes a pin (50) to be connected to side surfaces of the adjacent split pieces (11) on a wedge large diameter side; and

a restraint ring (20) for holding the split pieces (11) in the conical shape.

3. A wedge deviation preventing structure according to claim 1, characterized in that the connecting means includes a projection (51) projecting at an end surface of each of the split pieces (11) on a wedge large diameter side;

an inserting hole (52) formed through the side surface of the projection (51) in the circumferential direction; and
25 a ring member (53) inserted into all of the inserting holes

(52).

4. A wedge deviation preventing structure according to claim 3, characterized in that the projections (51) are formed at both ends of one split piece (11) in an arcuate direction, 5 and a ring-like elastic member (54), into which the ring member (53) is inserted, is interposed between the projections (51) formed at the adjacent split pieces (11).

5. A wedge deviation preventing structure according to claim 1, characterized in that the connecting means is configured 10 such that the side surfaces of the adjacent split pieces (11) are joined to each other via a synthetic resin material (55) having elasticity in such a manner that the split pieces (11) can be developed on a plane.

Explanation of Reference Numerals

- 10 wedge
- 11 split piece
- 12 annular groove
- 5 13 side surface
- 14 inserting well
- 20 restraint ring
- 30 PC steel strand
- 41 inner trumpet
- 10 42 outer trumpet
- 43 rib cast anchor
- 44 recess tube
- 45 spiral stripe
- 46 anchor disk
- 15 47 grout cap
- 50 pin
- 51 projection
- 52 inserting hole
- 53 ring member
- 20 54 ring-like elastic member
- 55 synthetic resin material
- 60 concrete structure